

WHAT IS CLAIMED IS

1. A measurement method for analysis and measurement of a sample in a fluorescence measuring apparatus or phosphorescence measuring apparatus,

5 wherein a sample is held by a sample holder through surface tension and only said sample is placed in the path of excited light;

 said measurement method further characterized in that measurement is made without detecting light of
10 fluorescence, phosphorescence coming from sample holder material or scattered light, wherein an intermediary of any sample holder material is not used.

2. A sample holder and measurement method using said sample holder for analysis and measurement of a
15 sample in a fluorescence measuring apparatus or phosphorescence measuring apparatus,

 wherein a sample is held by a sample holder through surface tension and only said sample is placed in the path of excited light;

20 said measurement method further characterized in that measurement is made without measuring light of fluorescence, phosphorescence coming from sample holder material or scattered light, wherein an intermediary of any sample holder material is not used.

25 3. A sample holder and measurement method using

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said sample holder for analysis and measurement of a sample in a fluorescence measuring apparatus or phosphorescence measuring apparatus, characterized in that

5 a hole with an inverted pyramidal form including as an inverted conical, inverted triangular or inverted quadrangular shape is formed on a carbon material, glassic carbon, tungsten carbon or pyro-coated carbon, or a material with very small
10 fluorescence or phosphorescence caused by scattered light, and

 there is no leakage of sample despite the presence of a hole with an area of 0.0001 to 5 square millimeter without material on the bottom;

15 wherein said sample is held in said sample holder by surface tension.

4. A sample holder and measurement method using said sample holder for analysis and measurement of a sample in a fluorescence measuring apparatus or
20 phosphorescence measuring apparatus, characterized in that

 a cylindrical, triangular prismatic or quadrangular prismatic hole is formed on a carbon material, glassic carbon, tungsten carbon or pyro-coated carbon, or a material with very small
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there is no leakage of sample despite the presence of a hole with an area of 0.0001 to 5 square millimeter without material on the bottom;

5. A sample holder and measurement method using said sample holder for analysis and measurement of a sample in a fluorescence measuring apparatus or phosphorescence measuring apparatus, characterized in that

wherein there is no leakage of sample despite the presence of a gap without material and said sample is held between prismatic forms by surface tension.

6. A method of measuring phosphorescence or fluorescence on a transmission surface, wherein said method uses a sample holder built up to hold sample liquid by surface tension with columns made of carbon,

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